

BRIEF COURSE SYLLABUS: "MACHINE LEARNING"

2017-2018

1. Information about the programme

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|--------------------|------------------|
| 1.1 Department | Exact Sciences |
| 1.2 Institution | Romanian Academy |
| 1.3 Field of study | Informatics |
| 1.4 Study cycle | Doctoral Studies |

2. Information about the course

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|-------------------------------------|---|--------------|----|------------------------|--|----|-------------------|------|
| 2.1 Name of the course | Machine learning | | | | | | | |
| 2.2 Holder of lecture activities | Associate Professor Marius Leordeanu, Ph.D. | | | | | | | |
| 2.3 Holder of seminar activities | Associate Professor Marius Leordeanu, Ph.D. | | | | | | | |
| 2.4 Holder of laboratory activities | | | | | | | | |
| 2.5 Study year | I | 2.6 Semester | II | 2.7 Type of assessment | | E* | 2.8 Course status | SC** |

3. Estimated total time (hours of teaching activities per semester)

| | | | | | |
|--|-----|-------------|----|----------------|-------|
| 3.1 Number of hours per week | 4 | Of which: | | | |
| 3.2 lecture | 2 | 3.3 seminar | 2 | 3.4 laboratory | 0 |
| 3.5 Total hours in the curriculum | 56 | Of which: | | | |
| 3.6 lecture | 28 | 3.7 seminar | 28 | 3.8 laboratory | 0 |
| Distribution of time resources: | | | | | hours |
| Studying using textbook, course materials, bibliography and notes | | | | | 60 |
| Additional research in the library, on specialized electronic platforms and on the field | | | | | 55 |
| Preparation for seminars/laboratories, homework, papers, portfolios and essays | | | | | 50 |
| Tutoring | | | | | 55 |
| Examinations | | | | | 4 |
| Other activities: | | | | | - |
| 3.9 Total individual study hours | 224 | | | | |
| 3.10 Total hours per semester | 280 | | | | |
| 3.11 Number of credits | 20 | | | | |

4. "Learning outcomes" and specific skills acquired

1. Acquiring the curriculum content taught in the course;
2. Ability to use the presented results in new contexts;
3. The knowledge and skills acquired within this course will be the basis of future scientific and didactic research activities;

5. Assessment

| Activity type | 5.1 Assessment criteria | 5.2 Assessment methods | 5.3 Weight in the final grade |
|---|-------------------------|------------------------|-------------------------------|
| 5.4 Lecture | Acquired knowledge | Written exam | 65% |
| 5.5 Seminar | Activity | Oral exam | 35% |
| 5.6 Laboratory | | | |
| 5.7 Minimum performance standard: Knowledge of 70% of the information contained in the course | | | |

Course holder's signature
Associate Professor Marius
Leordeanu, Ph.D

Seminar holder's signature
Associate Professor Marius
Leordeanu, Ph.D.

Laboratory holder's signature

*E = Exam. C = Colloquium.

**CC = Core Course. SC = Specialty Course.